Approved for use through 07/31/2003. OMB 0651-0032 U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Attorney Docket No.

UTILITY PATENT APPLICATION **TRANSMITTAL**

First Inventor

(Only for n	new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No.		
See MPEP c	APPLICATION ELEMENTS thapter 600 concerning utility patent application contents.	ADDRESS TO:	Mail Stop Patent Appll Commissioner for Pate P.O. Box 1450 Alexandria VA 22313-	ents
2. Submit Applica See 37 3. Specifi (preferm - Descri - Cross - Stater - Refere or a cc - Backg - Brief 5 - Brief 1 - Detaile - Claimi	ed arrangement set forth below) iptive title of the invention Reference to Related Applications nent Regarding Fed sponsored R & D ence to sequence listing, a table, computer program listing appendix ground of the Invention Summary of the Invention Description of the Drawings (if filed) and title Invention	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Reader Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS		
5. Oath or Decl	My executed (original or copy)	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations		
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) 13. Preliminary Air Return Receiption (Should be sp. Certified Copy)				03)
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76		(if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Other:		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.:				
Prior application information: Examiner				
19. CORRESPONDENCE ADDRESS				
Customer Number: OR Correspondence address below				
Name THOMAS L. RUSSO				
Address 7 AVENUE D				
City	RUTLAND	State VERMONT		0000
Country	ROILARG	elephone 802-775-		SAME
Name (Print/Type) THOMAS L. RUSSO Registration No. (Attorney/Agent)				
Signature	Thomas Chance		Date	7-15-03

This collection of information is required by 37 eFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P. . Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



U.S. Petert and Trademark Reduction Act of 1989, no general are remined to personed to a collection of information pulses it disclays a valid QMB control number. $\mathbf{\omega}$ FEE TRANSMITTAL 'n Complete II Known Application Number for FY 2003 Filing Date Effective 01/01/2003. Patent times are outspect to compet revision. First Named Inventor THOMAS Applicant claims small entity status. See 37 CFR 1.27 Examiner Name TOTAL AMOUNT OF PAYMENT Art Unit Attorney Docket No. METHOD OF PAYMENT (check ell that apply) FEE CALCULATION (continued) Check Credit card Money Other 3. ADDITIONAL FEES Deposit Acceptat grave Emily | Small Emily Ceposit Fee (\$) Fee auni. Numbe Fee Description Code Deposit Account 1051 190 2051 65 Secthenge - tate filing fee or cath e Paid 1052 Name 50) 2052 25 Surcharge - late provisional filing fee or Director is auditorized for (check all their apply) 1053 190 Charge fee(s) indicated below 190 Non-English specification Credit any overpayments 1812 2,520 1812 2,530 For liking a request for our parte recommination Charge any additional fee(s) during the pendency of this explication Charge fee(a) indicated below, except for the filing fee 1804 820° Requisiting publication of SIR prior to to the above-identified deposit account. 1805 1,840 1805 1,840-Requesting publication of SIR after Examiner action FEE CALCULATION 1251 710 2231 68 Extension for raply within first month 1. BASIC FILING FEE 1252 arge Entity Small Entity 410 205 Extension for reply within second month 2252 1253 930 Fee Description 2253 465 Extension for exply within third month Fee Paid 1254 1,480 3254 725 Extension for reply within fourth month 1001 750 2001 378 Utility filing fee 1255 1,970 2255 885 Extension for copiy within lifth munith 1602 930 2002 165 Design filing fee 1003 520 1401 320 2401 2008 zen 160 Motice of Appeal Plant filing fee 1402 1004 750 320 2004 975 160 Filing a breaf in support of an appear 2402 Relacus filma fee 1005 160 1403 280 2005 AO 2403 tati Request for arei hearing Provisional filling fee 1451 1,510 1461 1,510 Peliton to ireliute a public uso proceeding SUBTOTAL (1) (\$) 375 1452 110 2452 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 55 Petition to revive - unevoidable 1453 1,300 650 Petition to ranke - unintentional 1501 1.300 2501 650 Citility statue tale (or resistance) Total Claims 1502 470 2502 235 Design issue fee Independent Claims 1503 - 3°° = 530 2503 815 Plant issue fee Mulicota Capandeni 1460 130 1460 190 Pellions to the Commissioner Large Entity 1807 Small Entity 50 1807 50 Processing too under 37 CFR 1.17(q) Fee Fee Code (\$) Fee Description 1808 180 Submission of Information Disclosure Stret Cude (\$) 160 1608 1202 40 Recording each patent assignment per property (times number of properties) 18 2202 8021 40 9 Cajins in excess of 20 8021 1204 Bo 2201 42 independent claims in excess of 3 1809 750 978 Filing a submission after tinel rejection (97 CFR 1.128(a)) 2800 1203 280 2203 140 Muliple dependent claim, if not paid 376 For each additional invention examined (37 CFR 1.128(b)) 1204 1810 84 750 2810 2204 Reissue independent cisins over original patient 42 1801 760 1205 28D4 376 Request for Continued Exemination (RCE) 2205 "Relissus claims in excess of 20 and over origins potent 1802 805 1802 900 Request for expedited examination of a design application SUBTOTAL (2) Citizer fee (specify) (8)3750 "or number previously paid if greater: For Re Reduced by Back Filing Foo Pald W. 689 BDOW SUBTOTAL (3) (5) 375 SUBMITTED BY Nama (Printfypi) (Complete (Peoplicable) THOMAS Registration No. Telephone 802 <u>(Adomes/Asers)</u>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

be included on this form. Provide credit card information and authorization on PTO-2018.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the puriod which is to file (and by the USPTO to process) on application. Confidentially is governed by 83 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and endoughing the complete form to the USPTO. Time will vary departing upon the individual case. Any committee on amount of time you require to complete this form entire suggestime for reducing this burden, who the send to the Crief Information Office, U.S. Department of Committee, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FREES OR COMPLETED FORMS TO THIS

if you need excitance in completing the form, call 1-600-PTO-9189 and scient option 2.

Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

on 7-15-03

Signature

THOMAS L. RUSSO

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.